



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 333 173 A3**

(12)

## EUROPEAN PATENT APPLICATION

(21) Application number: 89104610.4

(51) Int. Cl.<sup>5</sup>: **H04N 1/10, H04N 1/12,  
H04N 1/00**

(22) Date of filing: 15.03.89

(30) Priority: 15.03.88 JP 62664/88  
15.03.88 JP 35086/88 U  
15.03.88 JP 35087/88 U

(43) Date of publication of application:  
20.09.89 Bulletin 89/38

(64) Designated Contracting States:  
DE GB

(68) Date of deferred publication of the search report:  
22.01.92 Bulletin 92/04

(71) Applicant: SHARP KABUSHIKI KAISHA  
22-22 Nagaike-cho Abeno-ku  
Osaka 545(JP)

Applicant: Nippon Telegraph and Telephone  
Corporation  
1-6 Uchisaiwaicho 1-chome Chiyoda-ku  
Tokyo 100(JP)

(72) Inventor: Kotani, Matahira  
3-28, Seyahigashi 6-chome Sango-cho  
Ikoma-gun Nara-ken(JP)  
Inventor: Matsumoto, Masafumi  
545, Koshi, Asukamura  
Takaichi-gun Nara-ken(JP)  
Inventor: Matsumoto, Junichiro  
4-3, Anryu 1-chome

Suminoe-ku Osaka(JP)  
Inventor: Hayashi, Motohiko  
109-21, Wakatsuki-cho  
Yamatokoriyama-shi Nara-ken(JP)  
Inventor: Fujii, Mamoru  
4-78, Jingu 1-chome  
Nara-shi Nara-ken(JP)  
Inventor: Yamanoue, Masafumi  
2-10-15, Takayasu-cho Yamamoto  
Yao-shi Osaka(JP)  
Inventor: Sakai, Katsuyuki  
Yamatoryo 442 492, Minosho-cho  
Yamatokoriyama-shi Nara-ken(JP)  
Inventor: Mino, Koichi  
1-3-32-501, Hanakoganeiminamimachi  
Higashikodaira-shi Tokyo(JP)  
Inventor: Murata, Naomitsu  
8-2-141, Gohonmatsu-cho Atsuta-ku  
Nagoya-shi Aichi-ken(JP)  
Inventor: Inagaki, Hiroya  
3-37, 3-104, Koenjikita Suginami-ku  
Tokyo(JP)  
Inventor: Kondo, Mitsunobu  
2-1-16, Rokkakubashi Kanagawa-ku  
Yokohama-shi Kanagawa-ken(JP)

(74) Representative: TER MEER - MÜLLER -  
STEINMEISTER & PARTNER  
Mauerkircherstrasse 45  
W-8000 München 80(DE)

(54) Image data transmission apparatus.

(57) Disclosed is an image data transmission apparatus comprising:  
an image reading unit (4) for reading the original image, and  
a transmission apparatus main body (2), having a memory for storing the image data read by the image reading unit and transmitting the content of the memory;  
the image reading unit being detachably mounted on the transmission apparatus main body;

the transmission apparatus main body provided with conveying means for conveying the original in a state in which the image reading unit is mounted on the transmission apparatus main body;  
the original being conveyed and read in a state in which the image reading unit is mounted on the transmission apparatus main body; and  
the image reading unit being scanned on the original to read the original image, in a state in which the image reading unit is dismounted from the transmis-

EP 0 333 173 A3

sion apparatus main body.

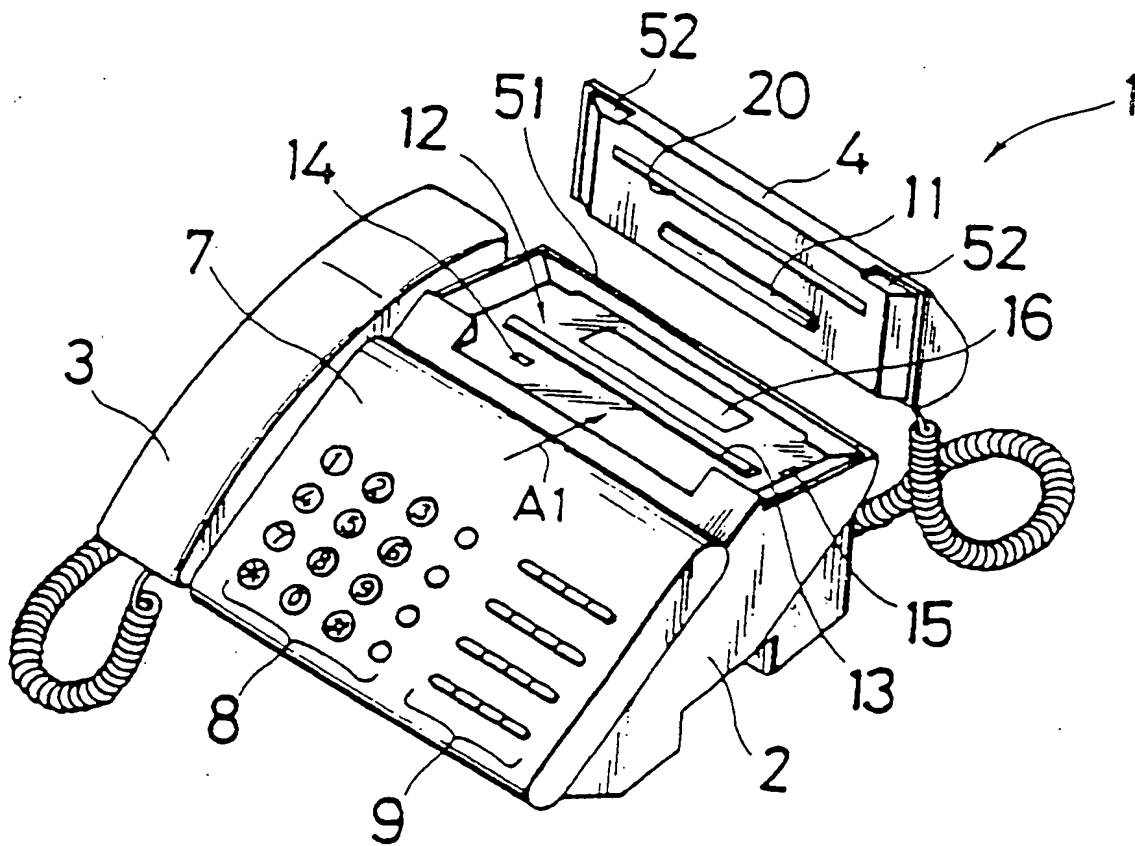
When the image reading unit is provided with a rotary roller (11) for detecting the scanning state of the image reading unit on the original, a sheet element made of a material low in the coefficient of friction to the original may be disposed at a position corresponding to the mounted state of the image reading unit on the transmission apparatus main body.

Also disclosed is an image data transmission

apparatus possessing the telephone function (1) and copy function, and also provided with; as desired, the facsimile function by mounting facsimile processing means detachably installed in the transmission apparatus main body.

In such image data transmission apparatus, the operation panel (7) may be, in order to use it as the original stacker, disposed angularly dislocatably around the axial line crossing with the original inserting direction.

*Fig. 2*





European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number

EP 89 10 4610

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
P,X	US-A-4 792 859 (WICKER et al.) * Column 2, line 10 - column 4, line 47; column 6, line 45 - column 7, line 33; abstract; figures 1-2,4 *	1-2	H 04 N 1/10 H 04 N 1/12 H 04 N 1/00
A	---	6	
D,X	GB-A-2 178 263 (TOSHIBA) * Page 1, lines 78-120; abstract; figures 1-2,8 *	1	
A	---	2,4	
A	EP-A-0 188 865 (TOKYO ELECTRIC) * Abstract; claim 1; figure 2 *	4,6	
P,A	US-A-4 754 337 (NOHTOMI et al.) * Column 2, line 64 - column 3, line 9; abstract; figure 2 *	5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 04 N G 06 K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-11-1991	Examiner ISA S.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



European Patent  
Office

EP 89 10 4610

### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

See sheet -B-

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



European Patent  
Office

EP 89 10 4610 -B-

#### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions.

namely:

1. Claims 1-4,6: Transmission apparatus with detachable scanning unit.
2. Claim 5: Details for attachment of scanning unit to main transmission apparatus.